**Homework 87 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Quiz Review Period\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Directions: Show all work or LaSalle.

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| 1. Circle O has diameter MQ and NR. | 1. Find the arc measure of AB. |
| 1. PA and PB are tangent to circle Q. Find y. | 1. Determine if the following are minor arc, major arc, or semicircle. 2. NP 3. MQ 4. MRP |
| 1. Find the area of the sector. | 1. Find the area of the sector. |
| 1. The minute hand and the hour hands on a clock originate at the center of the clock and reach to the outer edge of the clock. When it is 7:00 pm, what is the length of the arc created by the minute hand and the hour hand? | 1. A circular pie is sitting in a pie tin and its diameter is 8 inches across. The pie has 6 slices cut at equal angles through the center of the pie. When you take one piece of pie from the pie tin, what is the approximate length of the exposed side of the pie tin? |
|  | 1. Find the arc length of DAB. |
| 1. A child’s bicycle wheel completes exactly four revolutions when it travels 120 cm. The wheel has a decoration on it that covers exactly **half of the inner** part of the wheel. What is the area of the decoration? Leave your answer in terms of pi. | 1. Another child who sees the decoration wants to put a handmade decoration on her bike as well. Her bike completes exactly two revolutions when it travels 90 inches. How much paper does she need to use for her decoration of half the wheel? Leave your answer in terms of pi. |